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Atlin district, eighty-four summer birds and thirty-five in the September list. Some species were found new to British Columbia, and there are many records of interest as regards distribution. The comments under each species are condensed, including little more than brief statements of the manner of occurrence. On pages 17 and 18 of the 1914 report is a list of errata in the Okanagan paper. These are mostly corrections of names used, in most instances closely related subspecies having been confused.

It seems a pity that papers of such value and of such general interest should be buried in museum reports where they are lost to those most interested. They have evidently escaped the notice of even so thorough and careful a searcher of ornithological literature as is the reviewer of the *Auk*! Also but scant justice is done to either collection or author, for statements must be condensed to the utmost, and many interesting phases of the collections passed over without comment. The exceedingly brief account of the nesting of the Bohemian Waxwing in the Atlin district, where four sets of eggs were found, is but one instance of many, of facts of life history, manner of occurrence, etc., that would bear carefully detailed treatment. In these same annual reports there are included similarly abbreviated lists of mammals, insects, etc., from the Atlin and Okanagan districts.

While the subject matter of these various lists is, as far as it goes, evidently authoritative and a welcome addition to our knowledge of the biota of the regions involved, the editorial treatment of the papers can not be commended. While care has been taken to ascertain the proper names of the species listed, punctuation and general typographical treatment of these names is not uniform, nor do they accord with current usage. Also there are many errors of typography throughout the several papers.—H. S. SWARTH.

MINUTES OF COOPER CLUB MEETINGS

NORTHERN DIVISION

JANUARY.—The regular monthly meeting of the Northern Division was held at the California Museum of Vertebrate Zoology, Berkeley, January 21, 1915, at 8 p. m. President Bryant was in the chair with the following members present: Mesdames Allen, Bryant, Grinnell and Schlisinger, the Misses Andrews, Atsatt, Conger, Dolbear and Wythe, and the Messrs. Bolander, Camp,

Carriger, Dice, Evermann, Grinnell, Joseph Mailliard, McAtee and Storer. Visitors present were: Mr. and Mrs. Newberry, Mrs. Kluger, Miss Dora Lemon, and Mr. F. Martens.

The Northern Division December, 1914, minutes were read and approved and the Southern Division December minutes were read. The following were elected to membership: J. N. Kendall and the seven persons proposed by the Southern Division in November. The following applications for membership were read: J. H. Paul, 1320 East 2d Street South, Salt Lake City, Utah, by A. O. Treganza; Irwin C. Schumacher, Yuba City, and G. F. Sutherland, East Hall, University of California, Berkeley, both proposed by A. L. Barrows, and two received by the Southern Division in December. The resignation of Mr. Charles H. Richardson was accepted.

A written communication from Mr. W. Otto Emerson was received asking that the Club endorse a movement to have ornithology made a required subject in the grammar schools. The matter was laid on the table.

Election of officers resulted as follows: President, Joseph Mailliard; Vice-president, Walter K. Fisher; Secretary, Tracy I. Storer. For the offices of Editor of the *CONDOR* and Business Managers the present incumbents were re-elected, namely, Joseph Grinnell, editor; W. Lee Chambers and J. Eugene Law, business managers.

Tracy I. Storer gave a short demonstration of a new method of photographing freshly killed specimens of animals.

H. C. Bryant briefly summarized the changes in game laws proposed in the California Legislature. Shorter seasons, smaller bag limits, and extending a measure of protection to species not now protected, are the important changes to receive attention.

The Division was fortunate in having Mr. W. L. McAtee of the Bureau of Biological Survey present. Mr. McAtee spoke of the economic work being done by the Survey on birds. A re-examination of the Crow and English Sparrow problems, investigation of disease among ducks on inland bodies of water in the West, studies of the food habits of thrushes, swallows, wrens, thrashers and titmice, also nighthawks and poor-wills, the damage being done to the oyster industry in Washington, the damage done by sap-suckers to forest trees, and the special methods to be used in attracting birds in different parts of the United States, are some of the problems which the economic ornithologists of the Survey have been or are now working upon. A general discus-

sion followed. Adjourned.—TRACY I. STORER, *Secretary*.

FEBRUARY.—The regular monthly meeting of the Northern Division was held at the California Museum of Vertebrate Zoology, Berkeley, February 18, 1915, at 8 p. m. In the absence of both President and Vice-President, Mr. H. C. Bryant presided. The following members were present: Mesdames Bryant and Grinnell, the Misses Andrews, Culver and Dolbear, and the Messrs. Bolander, Carriger, Grinnell, Heinemann, Kendall and Storer. Five visitors were present.

The minutes of the Northern Division January meeting were read and approved and the minutes of the Southern Division Special Meeting read. The first minutes of the Inter-mountain Chapter at Salt Lake City, Utah, were received and read with much interest. J. H. Paul, I. C. Schumacher, and G. F. Sutherland, and two persons proposed by the Southern Division in December were elected to membership. The proposal of Mr. Fred. W. Chambers, 701 Walker Bank Building, Salt Lake City, Utah, from Mrs. A. O. Treganza was received.

H. C. Bryant briefly described the progress of game legislation in the present session of the legislature.

Tracy I. Storer read two shore-bird biographies prepared in connection with the work of Grinnell, Bryant and Storer on the game birds of California. The species considered were the Wilson Snipe and Avocet.

L. P. Bolander exhibited a beautiful skin of an adult male American Merganser. Adjourned.—TRACY I. STORER, *Secretary*.

MARCH.—The regular monthly meeting of the Northern Division was held at the California Museum of Vertebrate Zoology, Berkeley, California, March 18, 1915, at 8 p. m. President Joseph Mailliard was in the chair with the following members present: Mesdames Allen and Grinnell, the Misses Andrews, Atsatt, Culver and Dolbear, and the Messrs. Bolander, Bryant, Camp, Carriger, Dice, Evermann, Grinnell, J. C. Johnson, Kendall, Shelton, A. G. Smith, Storer, Trenor and Weed. Five visitors were present.

The minutes of the Northern Division February meeting were read and approved and the Southern Division February minutes read. Mr. Fred W. Chambers was elected to membership. The following applications for membership were received: Mrs. Mary Van E. Ferguson, 5 Panoramic Way, Berkeley, proposed by Mrs. James Allen, and twenty-two persons proposed at the Southern Division February meeting.

Mr. Joseph Grinnell presented the Business Managers report for 1914. The report was received with great interest. Older members commented very favorably upon the excellent progress in business management shown by the figures presented. President Joseph Mailliard outlined the progress of plans for the A. O. U. meeting in San Francisco during May. Dr. B. W. Evermann very kindly offered the use of the rooms of the California Academy of Sciences for Cooper Club meetings in San Francisco.

Mr. A. C. Shelton, Field Naturalist of the University of Oregon, spoke on "Field Work in Oregon", outlining the general biotic divisions of the State and recounting some of the more interesting incidents in his work of the past year. Mating habits of Pileated Woodpeckers were observed, winter specimens of Pine Grosbeak taken, as well as breeding specimens and a nest of the Crossbill. A discussion followed. Adjourned.—TRACY I. STORER, *Secretary*.

SOUTHERN DIVISION

FEBRUARY.—The regular meeting of the Southern Division was held at the Museum of History, Science and Art, Thursday evening, February 25, 1915. President Law was in the chair and the following members in attendance: Mrs. Gertrude Husher, Miss Claire Germain, and Messrs. Barnes, Blain, Brown, Chambers, Colburn, Daggett, Edwards, Fischer, Granville, Hegner, Howell, Holland, Alphonse Jay, Antonin Jay, Jewett, Little, Miller, Morcom, Nokes, Rich, Robertson, Swarth, Wood and Wyman. Visitors present were Mrs. George Wood and Mrs. H. Mullin.

The Southern Division minutes for December, 1914, and for the special meeting of January 22, 1915, were read and approved. No regular meeting was held during January. Northern Division minutes for December, January and February were read, and also the first minutes received, for the February meeting, of the newly formed Inter-mountain Chapter of Salt Lake City, Utah. New members elected were J. N. Swift, Stockport, Ohio, and W. A. Ford, Umatilla, Oregon. A motion was also passed electing to membership those whose names were approved in the Northern Division meetings of December, January and February. New names were presented as follows: M. P. Skinner, Yellowstone Park, Wyoming; W. S. Richmond, Batavia, N. Y.; H. K. Job, West Haven, Conn.; J. Kittredge, Jr., Missoula, Mont.; G. C. Cantwell, Puyallup, Wash.; H. H. Mitchell, Regina, Saskatchewan, Canada;

H. C. Sprunger, Wickenburg, Arizona; H. W. Brandt, Cleveland, Ohio; all the above proposed by W. Lee Chambers. Edward J. Brown, Los Angeles; Clarence E. Smith, Woody; George Polkinghorn, Los Angeles; M. C. Badger, Santa Paula; proposed by A. E. Colburn. T. C. Stephens, Sioux City, Iowa, and Wm. H. Nevin, Pasadena, proposed by A. B. Howell. L. A. Tope, Clearfield, Iowa, by O. E. Baynard; M. R. Cheesman, Murry, Utah, by A. O. Treganza; T. T. Gillette, Pasadena, by H. A. Edwards; H. S. King, Gardena, by A. Cookman; J. A. Weber, Palisades Park, N. Y., by L. E. Wyman; W. A. Goelitz, Ravinia, Ill., by W. A. Strong; E. S. Coombs, Boston, Mass., by D. I. Shepardson; E. M. Anderson, Victoria, British Columbia, Canada, by H. S. Swarth. The resignations of Miss Edith S. Waterman, Alameda, and Robert B. Rockwell, Denver, Colorado, were read and accepted. The annual financial report of the business managers, covering the year 1914, was read and accepted. This ended the business before the meeting.

Mr. R. Magoon Barnes talked at some length, and most entertainingly, on certain phases of the work of keeping wild ducks, geese and swans in captivity, in which he is an acknowledged authority. His comments upon the Trumpeter Swan in particular brought home to those present many facts regarding this rare and little known bird which most of us either did not know or imperfectly realized. Mr. Fred Granville, recently returned from a trip to northern Alaska and Siberia, had on exhibition three skins of the Ross Rosy Gull (*Rhodostethia rosea*), adults and immatures, and two adults of the Spoon-billed Sandpiper (*Eury-norhynchus pygmeus*), together with photographs of other species of birds, nests and eggs. Dr. L. H. Miller exhibited an interesting series of bird photographs, mostly of exotic species; and Mr. Hegner showed pictures of winter scenes in some of the more remote parts of the San Gabriel Mountains. Mr. J. E. Law displayed a selection of specimens exhibiting most of the plumages of the Pacific species of Murres, Auklets, and Murrelets. Adjourned.—H. S. SWARTH, *Secretary*.

MARCH.—The regular meeting of the Southern Division was held at the Museum of History, Science and Art, Thursday evening, March 25, 1915. President Law was in the chair and the following members were present: Mrs. Gertrude Husher and Messrs. Blain, Brown, Daggett, Holland, Jewett, Little, Morcom, Nokes, Rich, Snyder,

Swarth, Willett and Wyman. Mrs. Law was a visitor. The minutes of the February meeting were read and approved, followed by the reading of the March minutes of the Northern Division and of the Inter-Mountain Chapter.

The following new members were elected: L. A. Tope, T. C. Stephens, Clarence E. Smith, H. C. Sprunger, W. S. Richmond, M. P. Skinner, Ernest M. Anderson, Edward S. Coombs, Walter A. Goelitz, J. A. Weber, Harold L. King, Thurlow T. Gillette, M. R. Cheesman, Wm. H. Nevin, M. C. Badger, George Polkinghorn, H. W. Brandt, H. H. Mitchell, George G. Cantwell, Joseph Kittredge, Jr., Herbert K. Job, and Edward J. Brown.

New names were presented as follows: Miss Ellen G. Scott, Tropic, Calif., and Mrs. Katherine S. Wakeley, Los Angeles, both presented by A. E. Colburn; J. Frank Wilson, Monrovia, Calif., and Charles O. Trowbridge, Farmingham Center, Mass., by W. Lee Chambers.

A communication was read, received from Mr. A. B. Howell and dealing with the problem of bird banding. L. E. Wyman was appointed to take charge of the matter and see what could be done toward arousing the interest of Club members in this work. Adjourned.—H. S. SWARTH, *Secretary*.

DIRECTORY OF MEMBERS OF THE COOPER ORNITHOLOGICAL CLUB

Revised to May 1, 1915

(Residence in California unless otherwise stated. Year following address indicates date of election. Star preceding name indicates life member.)

HONORARY MEMBERS

Allen, Dr. J. A., American Museum of Natural History, New York, N. Y. 1910.
Beal, Prof. F. E. L., Biological Survey, U. S. Dept. Agriculture, Washington, D. C. 1910.
Belding, Lyman, Stockton. 1896.
Merriam, Dr. C. Hart, 1919 16th St., Washington, D. C. 1909.
Ridgway, Robert, 3306 New Hampshire Ave., N. W., Washington, D. C. 1905.
Stephens, Frank, 3746 Park Blvd., San Diego. 1912.

ACTIVE MEMBERS

Adam, Frederick, 603 Vassar St., Tropic. 1914.
Adams, Ernest, Carlotta, Humboldt Co. 1896.